

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	("2394907" "2434539" "3525599" "3547605" "4200544").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/12/20 12:50
S2	13	("2394907" "2434539" "3525599" "3547605" "4200544").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:02
S3	13	S2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:02
S4	0	S3 and (fuel and metal and water and surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:03
S5	8	S3 and (fuel metal water surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:04
S6	13	S3 S5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:04
S7	4	S6 and (hydroxide)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:04
S8	13	S6 S7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:04
S9	0	S8 and lipophilic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:05

S10	1	"10598577"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:05
S11	1	S10 and lipophilic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:06
S12	0	S8 and (hlb)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:06
S13	23204	(hydrophilic near lipophilic near balance) (HLB)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:07
S14	570	S13 and (fuel and metal and water and surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:08
S15	284	S14 and (hydroxide)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:08
S16	145	S15 and (lipophilic and hydrophilic)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:09
S17	18	S16 and (organic near medium)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:10
S18	9	S17 and (carboxylic near acid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:10
S19	18	S18 S17	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:10

S20	18	S19 and (mix\$3 grind\$3 (rotor near stator) (vertical near bead) (horizontal near bead) (basket near mill\$3) (pearl near mill\$3) (demulsifier) (poly \$1olefin) (hydrocarbyl near benzene near sul \$2onic) sul\$2on\$3 alkal\$3 dispersion slurry)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 02:17
S21	23211	(hydrophilic near lipophilic near balance) (HLB)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:16
S22	570	S21 and (fuel and metal and water and surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:16
S23	284	S22 and (hydroxide)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:16
S24	145	S23 and (lipophilic and hydrophilic)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:16
S25	144	S24 and (mix\$3 grind\$3 (rotor near stator) (vertical near bead))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:17
S26	3	S25 and ((horizontal near bead) (basket near mill\$3) (pearl near mill\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:18
S27	144	S24 and (mix\$3 grind\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:18
S28	144	S26 S27	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:19

S29	12	S28 and ((rotor near stator) (vertical near bead))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:19
S30	144	S29 S28	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:19
S31	14	S30 and (demulsifier)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:20
S32	144	S31 S30	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:21
S33	36	S32 and (poly \$1olefin)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:21
S34	144	S32 S33	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:21
S35	117	S34 and ((hydrocarbyl near benzene near sul \$2onic) sul\$2on\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:22
S36	0	S34 and (hydrocarbyl near benzene near sul \$2onic)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:22
S37	114	S34 and (hydrocarbyl benzene)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:23
S38	144	S37 S35 S34	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:23
S39	138	S38 and (alkal\$3 dispersion)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:23

S40	144	S38 S39	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:24
S41	39	S40 and (slurry)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:24
S42	144	S41 S40	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:24
S43	18	S42 and (organic near medium)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:25
S44	3	S29 and S31 and S33 and S35 and S37 and S39 and S41 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:27
S45	102	S35 and S37 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:28
S46	30	S45 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:29
S47	7	S46 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:30
S48	30	S46 S47	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:31
S49	9	S48 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:32
S50	30	S49 S48	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:32

S51	5	S50 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:33
S52	30	S51 S50	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:33
S53	6	S52 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:33
S54	14	S47 S49 S51 S53	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:34
S55	11	S54 not S44	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:38
S56	27	S52 not S44	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:40
S57	9	S24 and (grind\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:45
S58	1	S57 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 03:46
S59	1	"10598577"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:17
S60	7239	(dispersion near composition) and (fuel metal water surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:20
S61	548	S60 and ((hydrophilic near lipophilic near balance) (HLB))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:21

S62	9	S61 and (fuel and metal and water and surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:21
S63	254	S61 and (hydroxide)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:45
S64	254	S63 and (mix\$3 grind\$3 (rotor near stator) (vertical near bead) (horizontal near bead) (basket near mill\$3) (pearl near mill\$3) (demulsifier) (poly \$1olefin) (hydrocarbyl near benzene near sul \$2onic) sul\$2on\$3 alkal\$3 dispersion slurry)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:46
S65	245	S63 and (grind\$3 (rotor near stator) (vertical near bead) (horizontal near bead) (basket near mill\$3) (pearl near mill\$3) (demulsifier) (poly \$1olefin) (hydrocarbyl near benzene near sul \$2onic) sul\$2on\$3 alkal\$3 slurry)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:47
S66	106	S63 and (grind\$3 (rotor near stator))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:48
S67	8	S66 and ((vertical near bead) (horizontal near bead) (basket near mill\$3) (pearl near mill\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:48

S68	5	S67 and ((demulsifier) (poly \$1olefin))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:49
S69	17	S66 and ((demulsifier) (poly \$1olefin))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:51
S70	0	S66 and (hydrocarbyl near benzene near sul \$2onic)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:51
S71	19	S66 and (benzene near sul \$2onic)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:54
S72	103	S66 and (sul \$2on \$3 alkal \$3 slurry)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:55
S73	2	S69 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:56
S74	34	S69 S71	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:56
S75	34	S74 and (fuel metal water surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:59
S76	2	S74 and (fuel)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 04:59
S77	13	("2394907" "2434539" "3525599" "3547605" "4200544").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 05:14
S78	73	"3865737"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/01/13 12:32

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